BANDA ROSSA CONCERTS

THE FIRST PERFORMANCES GIVEN AT TOMLINSON HALL.

Large Crowds Heard the Excellent Band of Musicians-Concerts Afternoon and Night.

The Banda Rossa, the Red Band of Italy, arrived in the city yesterday morning to begin in the afternoon a series of ten concerts at Tomlinson Hall. Eugeno Sorrentino and his men were tired from their journey from Pittsburg, but they kept their weariness as a private matter. Three years ago they played in Indianapolis at English's Opera House, and they were weltheir two concerts then by almost sixty persons. At that time they had just come from Italy and had had a struggie to keep going. That struggle against the odds of lack of American prestige continued for a considerable time, but finally, by persistent display of merit, their reputation grew, and for a year or more the band has prospered and the demand for their music has equaled the supply.

"Yes, that was a rather dark day in Indianapolis three years ago," said Mr. Sorrentino, in the intermission of yesterday have done well and now our time is all taken. I think we shall play almost all winter in New York and later we go to New Orleans. This is a fine hall for music; the acoustics are excellent.'

The Banda Rossa's conductor is a modest and soft-spoken man, whose three years in this country have not worn away his Ital-He praised the hall and was pleased that the audience was large. He smiled as he spoke of the "crying babies," and his statement could not be regarded as a complaint. He might reasonably have referred to the continuous tramping of purposeless wanderers on the tile floors of the FIRST PRESENTATION OF THE corridors, of the unrepressed talking of the ushers fooling at the doors, of the discourtesy of many persons that rose from their seats while the band was playing and left the hall, rapping with their heels on the hard aisles. But he only spoke pleasantly of the crying babies. They seemed numberless, and two or three, with their shrill sobs, were always accompanying the band They did not care for music. They cried as roosters crow in the early morning, answering each other from near and far. In all the circumstances the band was treated by the management of the carnival as if it were in the same class as the Oriental show on the midway, except that no flag gave a touch of color to the bare hall and the midway shows stream with bunting.

Yesterday afternoon's concert was especially notable because the band played the overture to "William Tell" and the "Cavalleria Rusticana" intermezzo, both of which are by famous Italian composers-Rossini and Mascagai-and are played particularly well by this Italian band. The intermezzo solo was taken by Mr. Botteva, the band's trumpeter. The graceful composition was played with exquisite purity of tone and the trumpet curved through it delightfully. The exact balance of the instruments shown in this is the mark of the band; the heavy brasses, which in almost all bands, Sousa's especially, have a seemingly uncontrollable tendency to dominate, are held strictly to their duty in this one. It is not, however, the excellence of this

or that corps of instruments in a band that is sought for by an audience-the general effect is of prime importance, and the crowds that hear the Banda Rossa this week surely will be stirred by the spirit of its playing. In a Spanish dance the dash of the music is fascinating, and the musicians' lightness turns to majestic volume when a composition of the heavier nature is in hand. The Banda Rossa is truly a fine body of musicians and is sure to play its varied programmes at Tomlinson Hall this week with enthusiasm, sympathy and musicianly skill. The programmes for this afternoon and to-night follow:

-Afternoon.-.....Mendelssohn "Wedding March". Overture-"Raymond" Solo-Barytone. Signor Barilotti. Grand selection from "Bohemian Giri"

and Barilotti. March-"The Kansas City Spirit

Medley-"Happy Home" "Valzer les Partineurs" "Reminiscences of All Nations" Godfrey With incidental solos.

-Evening.-March-"The Kansas City Spirit"

Solo-Trumpet, Signor Botteva. Grand duet from "Il Trovatore"

Solos by Signori Botteva and Febbo. "Narcissus" Schumann "Traumerei and Romance" Quartet from "Rigoletto". ... Verdi Solos by Signori Botteva, Febbo and Bari-"Funiculi Funicula" Arr. by Sorrentino

CHALFANT CAFE COMPANY.

A Unique Association Not Organized for Pecuniary Gain.

Residents of the Chalfant apartment

Michigan streets have organized a club and articles of incorporation were filed with the secretary of state yesterday. The title is "The Chalfant Cafe Club," and its capital is \$600. The articles state that the company was not organized for pecuniary gain, but for the purpose of providing a cafe for the residents of the apartment house and such other persons as the directors may select. The cafe will be opened probably next Monday. The incorporators | well-known athletes of the school. and directors are Eugene A. Cooper, Robert L. Douglas, David W. Miller, Eugene B. Scoffeld and Alfred D. Evans. Mr. Evans is the secretary and treasurer. The Indiana Scale Truck Company, of

\$25,000 capital. The directors are Orlando W. Parsell, Robert F. Cummins and La Vergne B. Stevens. The company will manufacture weighing trucks. The Owl Drug Company, of Greencastle, filed articles of incorporation yesterday, the capital being \$6,000. The directors are George W. Bence, Henry S. Renick and Conrad C. Gautier.

The Interior Oil Company, with a capital of \$100,000, was incorporated yesterday. The main offices will be at Alexandria, Ind. The directors are Orrin P. Boggs, Daniel A. Herring and Frank S. Wilbur.

SALES OF REAL ESTATE

Several Residence Properties Change

Ownership in a Day. Solomon C. Dickey yesterday sold to Felix T. McWhirter a house and lot on didates have been announced for president. College avenue, near Twentieth street, for

Fox a residence property on Hilmois street, when officers will be elected. near Twenty-second street, for \$3,300. Benjamin F. Holmes has purchased a residence property of Charlotte Barchert on Madison avenue, near Morris street, for

Clara A. Aid has purchased three lots of Suste Hollowell for \$3,000. The lots are asked that, "for the good of the paper." located on Delaware street, near Twenty- the argument be discontinued. The question fifth. Kenwood avenue near Thirty-third | will, no doubt, be dropped, as the argument street, and Washington street near Colorado was so strongly in favor of contests. avenue. Mrs. Hollowell deeded her property on North Delaware street, near

Twenty-third street, to Mrs. Aid for \$4,300.

Senator Fairbanks in Chicago. Senator Fairbanks, president of the Indiana Harrison Monument Association, attended a meeting of the Harrison Monument Association of Illinois at Chicago been received by the Illinois association, but the meeting yesterday was for the life into the work.

The Affidavit Faulty. In Justice Smock's court yesterday Rachael Ely, colored, who was arrested on a charge of assault and battery, was

The prosecutor swore Mrs. Kate Freel to the complaint and failed to attach his seal The prosecuting witness had signed her name to the affidavit as "Miss Kate Freel, and it was shown that she was married. This also was held as sufficient error to sustain the motion of the defendant's counsel to discharge the prisoner. The women live in adjacent houses and the fight was part of a neighborhood quarrel.

STATE'S POOR ASYLUMS.

Information Contained in a Charity Board Bulletin.

The State Board of Charities issued a bulletin yesterday which deals with the management of poor asylums and other institutions of the State. The report shows that there has been an increase in the number of inmates at each of the insane hospitals of the State, at the School for Feeble-minded Youth at Fort Wayne, at the State Prison at Michigan City and the Reform School for Boys at Plainfield. A decrease is noted at the Soldiers' Home at Lafayette, the Soldiers' and Sailors' Orphans' Home at Knightstown, at the Institute for the Deaf in Indianapolis and at the Indiana Reformatory at Jeffersonville. The report further says that the four great essentials to good administration are sex separation, cleanliness, employment of the inmates and obedience to rules. It as-

serts that there are asylums in Indiana that are a disgrace to the State. The report says that all poor farms should have sex separation, as it is demanded on moral grounds. In the statistics available from poor asylums, the report says, there is told a story of three, four and five generations of feeble-minded persons, most of whom are illegitimate, and many of whom were born inside the institution, and the average annual expense for caring for such persons is about \$100.

The statistical report shows that for the nine months ending July 31 the State institutions cost the State \$1,048,966.27 for regular running expenses, and \$186,589.39 for constructive and extraordinary repairs, a total of \$1,235,555.66 The receipts and earnings turned into the state treasury were \$91,879.79. The net cost to the State for the same period in the year preceding was \$1,-323,908.78. The cost of supplies has increased, but the running expenses are about the

SPECTACLE AT NEWBY OVAL.

The Fireworks Display Witnessed by a Small Crowd-Weather Kept People Away.

The carnival's adjunct on the far side of Fall creek-Pain's pyrotechnic spectacle, "The Last Days of Pompeii," at Newby Oval-gave its first performance last night. The persons that traveled out to the Oval were few; the grand stand was barely fringed, and the bleachers contained only enough youths to make a noise to be heard across the field.

The spectacle is the same that was seen here several years ago. Across the ground within the bicycle track extends the picture of the Roman city, and the peak of Vesuvius rises above and behind the buildings.

The show began with the festival processions of the citizens of Pompeii, dressed in bright-colored costumes. The spectators shivered more earnestly when the Pompeijan maldens in white skirts and apparently bare legs paraded. The band played ragtime, which certainly was not known so scripts have been found in the extensive excavations made in the ashes that covered the city after Vesuvius's great eruption.

the sports of the day, which consisted in several acrobatic acts of the kind familiar to moders that patronize vaudeville. There was also a ballet by thinly-clad women, sympathy for whom smothered enthusiasm. The festivities over, the great pieces of fireworks were started, and they gave a great display of vari-colored flames and clouds of sparks. The magnified pin-wheels spun brilliantly. Finally Vesuvius, which had been smoking ominously, thundered and sent up a pillar of flame. Pompeli's build-Signori Botteva, Tedeschi, Cioffi ings tottered and its ill-fated people were panic-stricken and ran about wildly. The city fell amid smoke and blaze. It will be Sorrentino rebuilt to-day and will fall again to-night .Tobani and every other night until the end of the .. Waldteufel | week, including Saturday night.

No Increase in Admission Price.

The carnival managers are deeply chagrined over a statement published yester-Overture-"Zanetta" Auber day giving out the impression that the prices of admission at the Pain fireworks spectacle, "Fail of Pompeii," have been raised to 50 cents on account of the great size of the scenery necessitating the removal of an entire section of seats at Newby Oval. The fact is, declare the carnival people, that a Pain exhibition cannot be witnessed anywhere by adults for less than 50 cents, the regular admission price. elsewhere. The cutting down of the number of seats that can be sold has not, therefore, affected the scale of prices in the least, however it may lessen the receipts

THE HIGH SCHOOLS.

of the entertainment.

house at the corner of Pennsylvania and Events of Interest at M. T. H. S. and Street-railway Company; damages. Change Shortridge.

The Sheikhs will meet with Fred Burnett

members, and prospects are exceedingly bright for a successful term. The Puritans entertained recently in honor

of Joel Barlow and Vernon Bowers, two $\times \times \times$ year. This debating club was very popular

last term, and it is believed that many Bluffton, was incorporated yesterday with good speakers will take part in the de-The Hana Batakes will probably meet

next Saturday afternoon with Elizabeth The June '02 "frat," known as the Senores

taking a hay ride. Shortridge High School.

One of the Shortridge features in the floral parade to-morrow will be a "basket of peaches" containing Hazel Ozborne, Alv. Ruby Knode, Orin Pearson, Daphne | Court, Room 1 White, Zjipha Maffey and Emma Allison. XXX

The High School Senate will elect officers at the meeting Friday afternoon. No can-

x x x The Oratorical Association will likely hold Anna E. Idler has purchased of Elizabeth its first meeting one week from to-day,

> The Echo, which began the heated discussion as to the good of oratorical contests in high schools, yesterday decided that it was "up against it," and in an editorial

SHORT SUPPLY OF GAS

Reason Why Monument Has Been Dark and Cascades Idle.

Much criticism has been heard because the lights at the top of the monument have yesterday. A number of contributions have not been burning this week and the cascades running, but the monument officials ranged. Colonel Ivan N. Walker, president purpose of discussing plans to infuse new claim that the natural-gas supply is in- of the board of regents, will make a report sufficient to operate the gas engines fur- to the Governor on Friday, telling of the nishing power for the dynamos for the last work in the completion of the monu- derived from that which is digested. By lights at the top of the monument and ment. The board will probably pass out of also for the engines that operate the existence on that day, although the law them is digested, while the manure itself is pumps for the cascades. The gas supply does not provide for its abolition until Nov. richer when concentrated foods are used. has been noticeably short this fall, and it 1. The Governor will appoint a board of The proper way to mix hay and bran is in the power to provide this amount. s said the new board of control may make control for the monument, and it is said the body of the animal, but less bran will arrangements to use new motive power that several members of the board of re- be required if it is used on cut feed, and would be necessary to furnish the required if it is used on cut feed, and would be necessary to furnish the required if it is used on cut feed, and discharged because of a faulty affidavit, lafter this year,

MONEY IS IN THE BANK

A SUIT TO ESTABLISH OWNERSHIP OF \$2,224.16 IN CASH.

William F. Churchman, Special Administrator, the Plaintiff-Other Cases in the Courts.

William F. Churchman, special administrator of the estate of Amanda Robinson, yesterday filed a petition in the probate department for an injunction to restrain Nancy J. Edwards from drawing \$2,224.16 said to belong to the estate from Fletcher's Bank, and the bank from paying the money. Mrs. Robinson owned a piece of property on Market street, which was sold for \$2,224.16, and the money was turned over to Mrs. Everett. Mrs. Edwards says the money was a gift, but as a question came up as to her right to use it, she has allowed it to remain in the bank.

Suit Against a Treasurer.

A suit similar to those against William H. Schmidt and Sterling R. Holt for fees alleged to have been illegally retained while they held the office of county treasurer, was yesterday brought to the Supreme Court from Perry county. In this suit certain taxpayers brought suit against the county auditor for fees alleged to have been illegally retained. The court sustained a demurrer to the complaint on the ground that the county was the proper ing was made by Judge Allen, of the Marion Circuit Court, in the Schmidt and Holt cases. The appellants' brief sets out its contention as follows: "Can a debtor of the county who has illegally obtained money from the county treasury escape the payment of his debt simply because the Board of Commissioners fail and refuse to perform their sworn duty by com-

Grand Jury Investigation.

The grand jury has begun an investigation of the charge that records in the city clerk's office under John F. Geckler were altered in the interest of bondsmen. There is a question as to whether an indictment can be returned unless someone is discoverasures made. William C. Daly, whose term as police judge has just expired, was before the grand jury to testify as to what he knew of the erasures and also as to the charge that his name was forged to the order for the release of William Reed from jail Friday before the election. Judge Daly says his name was forged, and the grand jury is trying to detect the forger.

Martinsville Bank Is Plaintiff.

The stockholders of the First National Bank, of Martinsville, yesterday filed a petition for a writ of mandamus to compel State Auditor Hart to pay \$106, the amount of a judgment recovered against the State in the Martinville court. The bank brought suit against the State and the Morgan County Commissioners for \$331 for taxes alleged to have been illegally assessed and collected. Suit was brought in the Morgan Circuit Court and judgment for the amount was recovered, the \$106 being the State's portion of the taxes. It is charged that the state auditor refuses to pay the judgment.

Isaac L. Bloomer's Suit.

Isaac L. Bloomer yesterday filed in the Circuit Court an appeal from an action of the former Board of Works in ordering long ago, or, if it was, no coon song manu- | Kentucky avenue opened from Harding street to Belmont avenue. He avers that his property at the corner of Nebraska The citizens of Pompeii lined up to watch | and Harding streets was assessed \$750 for damages, when it should have been assessed at \$2,000. He says that his house will be damaged by the opening of the avenue and that his well, cistern and cellar will be ruined, besides other property being sacrificed.

The Big Four Sued.

James R. Spalding yesterday sued the Big Four Railway Company for \$5,000 damages for personal injuries. He says that while he was a fireman on the road and standing tion near Lafavette, a cut of cars was allowed to run down an incline and strike the engine and he was thrown ten feet from the locomotive. He struck on his back and is permanently injured, he says.

THE COURT RECORD.

SUPERIOR COURT. Room 1-John L. McMaster, Judge. Herbert C. Sullivan, by next friend, William B. Sullivan, vs. Mary P. Golibart; damages. Jury out. Room 3-James M. Leathers, Judge,

Peter Saunders vs. Henry Maag; account. Dismissed at plaintiff's costs. Wood Noel et al. vs. Fred Pollard; damages. Submitted to court. Evidence heard. Children will be charged 25 cents here, as Finding for defendant. Judgment against plaintiff Wood Noel for costs.

Room 3-Vinson Carter, Judge. Oliver R. Wald, administrator of the estate of Earl R. Bauman, deceased; damages. On trial by jury. CIRCUIT COURT.

Henry Clay Allen, Judge, William L. Schomberg vs. Indianapolis of venue granted. Cause sent to Johnson

A. N. Grant vs. Mason J. Osgood's Estate; claim. Evidence concluded. Taken under advisement William M. Brown vs. Bettie Ross's Es-The M. T. H. S. Literary Club has sixty tate. Claim. Submitted to court. Allowed as preferred for \$19 and costs. Jane Kelly vs. Emma Doke's Estate: claim. Claim dismissed for want of prosecution. Judgment against claimant for

Richard M. Boyd vs. William A. Ennis: from justice of the peace. Dismissed by plaintiff without prejudice. Plaintiff by The Forum will again be in evidence this leave of court withdraws papers. Judgment against plaintiff for costs. In re, petition of Eliza Howard for the custody of Carrie Moore et al.; ex parte. Dismissed by petitioner. Judgment against petitioner for costs.

NEW SUITS FILED. William O. Coble vs. M. Irene Coble; divorce. Superior Court, Room : Isaac L. Bloomer vs. City of Indianapolis: appeal from Board of Works in the matter of the opening of Kentucky avenue from De Fortuna, will celebrate Hallowe'en by Harding street to Belmont avenue. Circuit

Stella F. Sumpter vs. Charles H. Sumpter; divorce. Superior Court, Room 1. William E. Patty vs. Laura Ross et al.; partition of real estate. Circuit Court. Michael Clune vs. American Surety Company et al.; damages. Circuit Court. James R. Spalding vs. C., C., C. & St. L. bertine Shepard, Belle Ramey, Jane Blake- Ry, Co.; damages. Demand \$5,000. Superior Clara Cousin vs. Oliver Cousin; divorce,

Superior Court, Room 2. The State of Indiana on the relation of Margaret Hiti et al. vs. William H. Hart, auditor of state; mandate. Circuit Court. Samantha J. Watkins vs. Armstead M. Watkins; divorce. Superior Court, Room 2.

HIGHER COURTS' RECORD. SUPREME COURT.

-New Case.-

Margaret M. Toy et al. vs. Robert J. Craig. Hamilton C. C. Record, assignment McKinstray & Toy. Appellants' brief (8.) APPELLATE COURT. -Minutes.-

2671. Hymera White Ash Coal Company vs. Albert Zink. Sullivan C. C. Corrected 3995. The Ohio Oil Company vs. Reuben Griest. Adams C. C. Appellee's brief (8.)

Plans for the Dedication.

The committee making plans for the dedication of the soldiers' monument next May will meet at the Governor's office Friday, and it is expected that a full list of the committees for the dedication will be argents may be named on the board.

A REVOLUTIONIST

WILL LOCATE AT

South Indianapolis



Mr. Burton Spencer caused a revolution in manufacturing screws by inventing the automatic screw machine. He is a marvel in production of automatic machinery, which splendid ability will be utilized in equiping the Spencer Manufacturing Company's factory (No. 3.) They will manufacture cutlery, hardware specialties and stamped metal goods. Our Mr. Farnham is interested in this concern, where designs and patents of his invention will be produced. They will employ 300 people.

FACTS SUCH AS WE ARE GIVING SHOULD CONVINCE ANY SANE PERSON THAT OUR LOTS MUST INCREASE IN VALUE and ARE BARGAINS at \$200 each (Residence Lots.) This price holds good for one week.

First-"In the event of death of purchaser before final payment has been made, the Association will execute warranty deed to widow or estate without further consideration." Second-Money at low rate of interest will be furnished lot purchasers for building purposes.

Our Specials Third-Employment guaranteed to all lot purchasers who desire it. Fourth-Lighting at extremely low price furnished from our Central Power Plant. Fifth-RAILROAD FARE REFUNDED to purchasers from outside points. Sixth-Free ride to and from end of South Meridian-street line.

We have cuts of Factory No. 1-A. B. SPINKS & CO., Shoes...... Employ 900 Factory No. 2-VAUGHN SHIRT COMPANY Employ 300 Factory No. 3 - SPENCER MANUFACTURING COMPANY Employ 300

PICK YOUR LOTS TO-DAY

The South Indianapolis Improvement Association

New 'Phone, 2550.

931 STEVENSON BUILDING

Old 'Phone, 1774

FARM AND GARDEN INTERESTS

Winter Feeding of Stock. The main work during the winter season, should the farmer not be busy in some particular department on the farm, is usually manure is decomposed the smaller its bulk, | the animal in a short time, while the farmdecomposition of the manure there is but little loss of plant food. On the contrary, in a longer period. should the farmer neglect the heap, he will lose much of its value without materially reducing the bulk. It is bulk that entails | Indiana Farmer. large mass is handled, hauled and spread crets, and the experience of years has men and teams. Manure that has been exfarmer hauls a large amount of water. It every one who aspires to good butter mak- frost-proofed with felt and inclosed in a is estimated that a cord of manure, weighng 4,500 pounds, contains about 3,000 pounds f water and 500 pounds of silica, all of heap, loaded, hauled and spread, probably does failure lies just before him. requiring two or three loads in order to apare the real plant foods of the manure, his best with worn-out, rusty and dull answer if a cistern were available. hence the farmer goes to heavy expense in | tools. can reduce this bulk by protecting the heap | terial water never should be tolerated in | which have hot and cold water, bathroom, against water, and also induce fermentation | the dairy. This applies to the source of etc so as to have all coarse materials made supply in the pasture just as much as to the gain, for the manure will then be in | might better be to the expense of drilling better condition for crops than when the a well and putting up a windmill than to the bags of fertilizers is but a small matter | without pure water,

food to the soil. been lost. Frequently the labor of handling | cut cleanliness. manure containing undecomposed cornstalks is of greater value than the stalks, as long exposure results in loss of plant food, and the coarse pieces, when spread upon the land, do not decompose until too late to impart benefit to the crop. But when the farmer shreds the stalks, and sends every pound of straw through the feed cutter, he not only induces the livestock to consume larger quantities of it, but the materials are also then better for bedding, and possess greater capacity for absorbing manure of liquid form. The stalls are also more easily cleared out of the way, the manure and absorbents are more rapid of errors, separate assignment errors (2) by ly handled, and decomposition will begin immediately. Cleanliness of the stable and in the handling of the manure will be the result, while the heap will be richer in

available plant foods. The loss of liquid manure on farms has been referred to frequently, and farmers have been at fault in losing a large proeffort to avoid labor. It is so much easier to give hay or straw to cattle, and let them ; in the feeding of such food as linseed meal, cotton-seed meal, bran, middlings and cornmeal better results will be obtained therefrom when such concentrated foods are diluted with finely-cut straw, hay or fodder, and that both the concentrated and bulky foods are rendered more valuable by the combination. A large proportion of the value of all feeding stuffs is in that which is voided by the animals, but the profit is careful preparation of the foods more of

the cattle foods are given in prepared con- kept covered. dition the manure will be really prepared ! with little labor, for all cut food that is un- the ground, thus carrying water into the eaten, such as shredded stalks and straw, attic of the houses and farm buildings, and ifter being used as bedding, will go to the made, as that which comes from the animal

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Secrets of the Dairy. There are some secrets which are no semay be known and read of all faithful and

bulk is greater. The amount of "filler" in attempt to get along in the dairy room compared with the hauling of 3,000 pounds | Every man, woman and child who has of water and 500 pounds of silica, as well as | anything to do with the work of butterother materials in the manure, in order to | making, from cow to package, should be supply less than 100 pounds of actual plant | cleanly and neat. Uncleanliness is the rock upon which thousands go down. It The making of manure of the best quali- is possible to do some things in a slovenly ty on the farm can be effected at all sea- manner and yet succeed fairly well. This sons, but winter is the most appropriate is not true of butter making. Every pail, period. The farmer can save feed and get | can, churn, ladle, package, cloth and workmore manure by the proper manipulation of er must be scrupulously free from anything his feeding stuffs than to attempt to elim- which will impart a taint to the finished inate labor by allowing the animals to product. The hands especially must be trample the coarse materials. The time is clean. It does not seem as if it should be going by when the farmer will practice | necessary to speak of this, and yet it is the methods so long in vogue. It is now | not a week ago that I saw a man who known that it is cheaper and better to re- | would resent it quickly if told that he was duce all materials to a very fine condition | not neat, sit down to his cow, milk on his than to throw the coarse and bulky refuse | hands, and wet the teats of a fine Jersey work is done by the feet of cattle. Corn- pail. We look to the Danish people for our stocks may be trampled into small pieces, pattern of cleanliness, and well we may but it is done slowly, and before the corn- | for if there be any secret with them it is stalks are of sufficient fineness to absorb the secret of neatness. Climate, pasturthe liquids a large proportion will have age, water, care-all pass for nothing with-

Finally, the care given the cow largely determines the quality of the butter made. that season. There is always a rush of Good food, cleanly quarters, kindness, free- work in the spring, but at this time of dom from all that might give the cow dis- the year farm operations are less pressing. access or failure in butter making. to be adjuncts and not absolute essentials. | cessful the trees are apt to do better than The principals involved are not many, but when spring planted. They become estabthey are invaluable. They must be taken | lished to some extent during the winter nto account by all who would win in the and are all ready to start with the first beautiful science of good butter-making.

Water Supply for the Farm.

Correspondence Orange Judd Farmer. The problem of an adequate water supply extensive market garden this problem preportion of their soluble plant foods in the sented itself very forcibly to me. In addi- right, and the man is ready to plant, fall necessary for its cultivation. tion to the supply needed on most farms, setting of fruit trees is nearly always admasticate it, instead of using the feed cut- | we use large quantities of water for irriter, but farmers overlook the fact that gating hothouses and hotbeds and for washing quantities of garden truck, while in dry seasons we often water our newly set plants. I decided that a gravity supply from natural sources was most desirable, than a lead pencil. but unfortunately not feasible. The alterfurnish power for the pump. As there was no elevated spot on our farm for a cistern, we had to provide an elevated tank. I calculated that a supply of fifteen to thirty and that wind would furnish most cheaply A storage tank of at least 150 barrels | milk costs. better results will be obtained from it. If supply when there should be too little wind

constructed advantageously it should hold not less than 15,000 gallons. A tank should be well constructed, and if a cistern is used it should be lined with Portland cement and

We elevated our tank thirty feet from

giving force enough to throw water horiheap ready prepared for decomposition; and | zontally across our greenhouse, which is decomposition is the way all manure is a distance of nearly thirty feet. The objection to higher elevation of the tank is is simply the coarse foods masticated and that the power required to force the water decomposed (digested) within the body of is greater, and so the amount pumped considerably smaller. From our well we can but if properly cared for while promoting er, by reducing all coarse foods with a pump 100 barrels in ten hours with a steady shredder or cutter, performs the same thing | wind, and not appreciably diminish the (decomposition) in the manure heap, but supply. By connecting a hand force pump to our system of pipes we have another outfit ready, in case of accident or failure

of the wind for a long period. The windmill is a twelve-foot one, though we tried a geared mill for a time, but it was more noisy and rather more liable to accident. The wheel stands fifty feet from the ground, and is above trees and buildon the ground, more work is required of shown that the art of butter making ings. The water is pumped to and drawn from the tank by the same pipe, which is much less liable to freeze. As a precaution against freezing we have the pipe

We designed a structure for the tank that is substantial and pleasing to the eye. We which must be handled in the stable and | dairyman must love his work. Unless he | shingled and painted it so that it is an effective addition to our group of farm build-There must be the essentials of a good lings. The total expense was about \$600. ply about twenty-five pounds of nitrogen, cow in every individual member of the An equally effective system, though not so twenty-four of phosphoric acid and fifteen dairy. No man can succeed with poor ornamental, could be erected for one-half of potash, on the land, as these substances | cows, any more than a carpenter can do | this sum and even less than this might hauling a large amount of material which | Good water and plenty of it must be | water to dwelling houses, barns, greenhe does not want, the total value of all the available. Impure water has more to do houses and hotbeds, with a faucet for gensubstances in the 4,500 pounds of ma- with our failures than most of us are eral farm working purposes. It does not nure not being as much as \$5. If the farmer | inclined to admit. Rolly, stagnant or bac- | include the plumbing found in our houses,

So much for the outlay. The income is fine, the saving in labor will not alone be that used in washing the butter. We more than satisfactory. We supply water to our stable where we tie thirteen horses and one cow and have also two pens of swine. We supply also three modern dwelling houses, averaging six inmates to each house. We wash quantities of truck, often using from five to fifteen barrels of water on busy days. There are a few hundred hotbed sash, besides the greenhouse, which often take water, almost as a sponge absorbs it. Figuring at the rates usually charged for water from the public supply. we clear a fine net profit on our investment, as the running expenses are almost noth-

Fall Planting of Trees.

New England Farmer. On the question of whether it is better to plant fruit trees in fall or spring Prof. F. A. Waugh, of the Vermont Experiment into the barnyard to remain until such before he began to take her mess into the Station, says that one time is just as good be required to keep them warm than after as the other, providing the soil is in good condition and the trees are all right.

There are some advantages to setting trees in the fall, the principal one being that there is commonly more time for it at comfort, these all enter in to bring about | Sometimes, also, the trees can be had in better condition in the fall. Uusually prices Many other things have a bearing on the lare slightly lower for nursery stock. Furert of hatter-making. They may be said thermore, when fall planting is really suc-

growing weather in spring. The chief requirement for fall planting trees should never be set in such places.) is one of the most important that presents | Where the soil is not light and well | beef, considering the actual proportion of itself to the farmer. As proprietor of an drained it is liable to freeze and heave, nutritious matter contained, but it is only thus doing much injury to young trees.

Farm Notes.

visable.

A successful dairyman said that nothing This enormous amount of plant food is about his dairy had made him more money

native was pumping, requiring a storage what dangerous feed, but when properly grown upon the soil, however, takes a small tank or cistern and some kind of engine to handled is a very desirable addition to the proportion, and when that plant is returned There may be certain marks which indi-

cate a good milker, but there is no sure barrels per day could be depended upon guide except to weigh the milk and the food. The farmer will then know exactly the kind of cow he has, and how much her

the depth of an inch and a half evaporated 'milk, crops, etc.

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2,000 pounds less water per acre daily than plats having no cultivation. On heavy clay soil the difference in some cases was as much as 4,000 pounds per day on an acre. Cultivation, therefore, means saving the moisture in the soil.

The best bred animals are better than culls, even of pure breeds. They may cost more, but they also sell for more, and their increase adds value to the herds and flocks, Quality is a factor at the present day that must be recognized by every farmer, as competition is close, and the farmer must keep in line and endeavor to have the best, The time to fatten hogs is when the season is mild and cool, as less food will then winter begins. The largest profits from hogs are secured when the cost is reduced by warm and dry quarters and judicious feeding. Corn is the best food, but the greatest gain is made when a variety of

foods is given. White clover is a hardy plant, and if seeded on bare places in the pasture or wherever there is a vacancy it will soon germinate and secure a hold. It may be seeded as late as this month, and will make considerable growth if winter does not appear too soon. White clover is one of the best for sheep, and it is subject to fewer insect attacks than red clover.

Potatoes are the most expensive of all the staple foods. They contain from 750 to 300 pounds of water in every 1,000 pounds, the solid matter being mostly starch. The farmis good soil in a state of high cultiva- er also finds the potato crop one of the most tion. Raw, lumpy, soddy soil will not an- exacting in its requirements of labor, one swer. Positions in which water stands of the greatest obstacles being warfare will not do for fall planting. (In fact, against beetles and diseases. At present prices potutoes are more expensive than when prices are high that the potato crop But if the soil is right and the trees are is very profitable, owing to the expenses

The soil nine inches deep on an acree of land should average from 3,000,000 to 3,500,000 pounds. It will contain about 3,000 pounds of phosphoric acid per acre, about 2,500 pounds potash, and 4,000 pounds nitrogen. locked up in the soil in a condition to prevent its loss, and it is also not available for Cotton-seed meal is a strong and some- plants in large quantities. Every plant to the soil, either by plowing under or in the manure, it adds available matter to the soil for the next plant that grows in its place. The plants simply take insoluble foods from the soil and render them soluble, but they really add nothing to the soil. To maintain fertility, therefore, something must be brought on the farm to supply that